



APR 15 2002

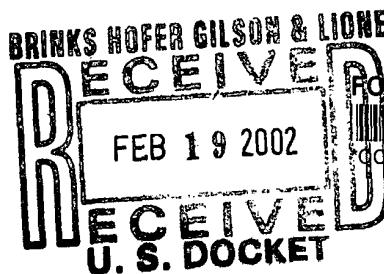
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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/047,469	01/15/2002	J. Gary Eden	10322-31

BRINKS HOFER GILSON & LIONE  
 NBS Tower - Suite 3600  
 455 N. Cityfront Plaza Dr.  
 Chicago, IL 60611



CONFIRMATION NO. 1038

FORMALITIES LETTER

Date Mailed: 02/11/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$972.
  - \$972 for 54 total claims over 20.
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1842.

*A copy of this notice **MUST** be returned with the reply.*

*C. Vorobchuk*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

00000119 10047469 888  
 04/17/2002 SSESHE1 740.00  
 01 FC:101 972.00  
 02 FC:103 130.00  
 03 FC:105  
 03

I hereby certify that this correspondence is being deposited with the  
United States Postal Service with sufficient postage as first class  
mail in an envelope addressed to: Commissioner for Patents,  
Washington, D.C. 20231 on April 10, 2002

Date of Deposit



Anthony P. Curtis, Ph.D., Reg. No. 46,193

Name of Applicant, Assignee or  
Registered Representative

Signature

Our Case No. 10322-31

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
J. Gary Eden et al. )  
Serial No. 10/047,469 ) Attention: Box Missing Parts  
Filing Date: January 15, 2002 ) Examiner: To Be Assigned  
For: Microdischarge Devices and Arrays ) Group Art Unit No. 2817  
Having Tapered Microcavities )

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION  
FILING DATE GRANTED**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In accordance with the Notice to File Missing Parts of Application Filing Date Granted dated February 11, 2002, a copy of which is attached, enclosed herewith for filing are the following documents:

Fully executed Declaration and Power of Attorney for Patent Application for the above-referenced patent application.

Applicant is:

— a small entity, verified statement is:

— attached

— already filed

other than small entity

Checks totaling \$1,882.00 for:

Filing Fee of \$740.00

Surcharge of \$130.00

Additional Claim Fees of \$972.00

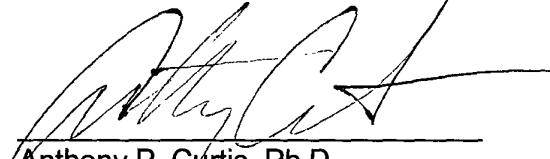
Assignment Recordal Fee of \$40.00.

Petition for Extension of Time (37 C.F.R. § 1.136(a)) to file missing parts (in duplicate).

Other: Request for Correction of Filing Receipt

The Commissioner is hereby authorized to charge any deficiencies in fees or credit overpayment to Deposit Account No. 23-1925. A duplicate copy of this paper is enclosed.

Respectfully submitted,



Anthony P. Curtis, Ph.D.  
Registration No. 46,193  
Agent for Applicants

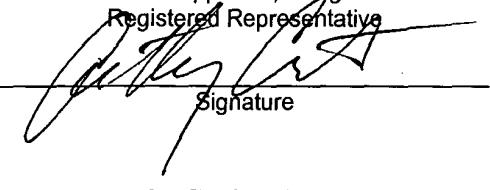
BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, ILLINOIS 60610  
(312) 321-4200

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Commissioner for Patents, Washington, D.C. 20231 on

April 10, 2002  
Date of Deposit

Anthony P. Curtis, Ph.D., Reg. No. 46,193

Name of Applicant, Assignee or  
Registered Representative

  
Signature

Our Case No. 10322-31

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
J. Gary Eden et al. )  
Serial No. 10/047,469 ) Examiner To Be Assigned  
Filing Date: January 15, 2002 ) Group Art Unit No. 2817  
For: Microdischarge Devices and Arrays )  
Having Tapered Microcavities )

**REQUEST FOR CORRECTION OF FILING RECEIPT**

Commissioner for Patents  
Washington, D.C. 20231

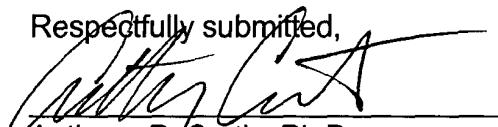
Sir:

Applicants have enclosed a copy of the official Filing Receipt and request the issuance of a corrected Filing Receipt for the above-identified application.

The title "MICRODISCHARGE DEVICES AND ARRAYS" is incorrect. Please delete the entire title and substitute --MICRODISCHARGE DEVICES AND ARRAYS HAVING TAPERED MICROCAVITIES.--

The Commissioner is hereby authorized to charge any fees required to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

  
Anthony P. Curtis, Ph.D.  
Registration No. 46,193  
Agent for Applicants

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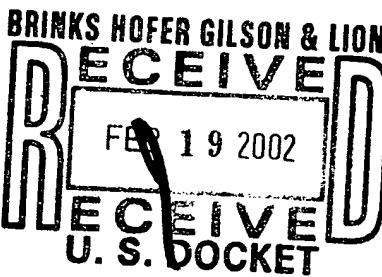
APR 15 2002  
PATENT & TRADEMARK OFFICE  
U.S. DEPARTMENT OF COMMERCE

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/047,469	01/15/2002	2817	0.00	10322-31	7	74	3

BRINKS HOFER GILSON & LIONE  
NBS Tower - Suite 3600  
455 N. Cityfront Plaza Dr.  
Chicago, IL 60611



CONFIRMATION NO. 1038  
FILING RECEIPT

OC000000007454305\*

Date Mailed: 02/11/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

#### Applicant(s)

J. Gary Eden, Residence Not Provided;  
Sung-Jin Park, Residence Not Provided;  
Clark J. Wagner, Residence Not Provided;

#### Domestic Priority data as claimed by applicant

#### Foreign Applications

If Required, Foreign Filing License Granted 02/11/2002

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

#### Title

Microdischarge devices and arrays having tapered microcavities

#### Preliminary Class

315

APR 15 2002

## PATENT TRANSMITTAL LETTER

Serial No. 10/047,469	Filing Date January 15, 2002	Examiner To Be Assigned	Case No. 10322-31
Inventors J. Gary Eden et al.			
Title of Invention Microdischarge Devices and Arrays Having Tapered Microcavities			

## TO THE COMMISSIONER FOR PATENTS

Transmitted herewith are Information Disclosure Statement; Form PTO-1449; References A1-A8; Response to Notice to File Missing Parts of Application Filing Date Granted; Notice to File Missing Parts of Nonprovisional Application; Assignment Recordal; Three Assignments; Three Declarations for Patent Application; Power of Attorney; Request for Correction of Filing Receipt; copy of original Filing Receipt; white postcard evidencing receipt of same.

Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.

A verified statement to establish small entity status under 37 CFR §§ 1.9 and 1.27 is enclosed.

Petition for a \_\_\_\_\_ month extension of time.

No additional fee is required.

The fee has been calculated as shown below:

		Small Entity		Other Than Small Entity	
	Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee
Total	Minus			x \$9 =	
Indep.	Minus			x 42 =	
First Presentation of Multiple Dep. Claim				+ \$140 =	
				Total add'l fee	\$
				Total add'l fee	\$

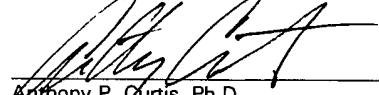
Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.

Checks in the amount of \$1,712.00 to cover the filing fee, \$130.00 to cover the Declaration surcharge and \$40.00 to cover the Assignment recordal are enclosed.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

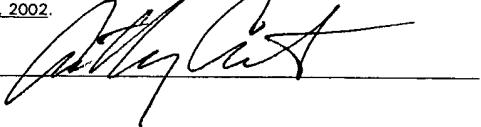
Respectfully submitted,



Anthony P. Curtis, Ph.D.  
Registration No. 46,193  
Agent for Applicants

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P.O. BOX 10395  
CHICAGO, ILLINOIS 60610  
(312) 321-4200

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on April 10, 2002.

Date: April 10, 2002 Signature: 



**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).